Micro-Satellites

Agenda

1. Team Member Introductions
2. Problem Domain & Project Overview
3. Team Process & Documentation
4. Application Demonstration
5. Q&A

Our Team

GSD
SOLUTIONS GROUP

1. Colin Wilde
2. Benjamin Hobbs
3. Raheem Reed
4. Natasha Siramarco

Natasha Siramarco

<u>IT Professional</u>

Bachelor's Degree Information Technology

- Previous experience: Military- Material Management Specialist
- Career Ambition: Cybersecurity role in the DoD
  - Reason: Solving puzzles, change in career, teach others
- Interesting/fun fact: I spend free time doing brain-teasers Puzzles

Colin Wilde

- ○ Midwest—>Bay Area
- ○ Journeyman of sorts
- ○ Connected with a Cyber Security professional
- ○ Eventually got a job at a machine learning company in SF
- ○ I collect records and used to have an FM radio show.

Artist and musician looking forward to breaking into the world of Cyber Security!

Benjamin Hobbs

- My Background
  - Real Estate
- My Transition
  - Why Cyber?
- My Why
  - My Circle
  - Protect and Serve
- My Experience
  - Military
  - Business
  - Life

- Fun Fact: I love trivia!
- Career Ambition: To Become a Leader in the Purple Team Community and create a widely used tool for information security

Raheem Reed

US Navy Veteran
Former petty officer second class(Culinary Specialist)

-I recently quit my job at spirit airlines to pursue a career in cybersecurity and i am currently a student at code fellows and looking forward to expanding my knowledge in various topics that are foreign to me.

-During my time in the navy I have been all around the world and I plan on going on more adventures when I start my career in cybersecurity.

-I always had a passion for cybersecurity since I was a kid but being afraid of failure kept me from challenging myself but im glad im taking this journey now.My passion for cybersecurity came from watching movies like the matrix.

-Some fun facts about me are that I have an extreme love for boxing and anime.

Client Company

- What is your problem domain?

  - A <u>new space startup</u> looking to build and deploy micro-satellites.

  - <u>Expanding Company</u>
    - technical and non-technical roles

  - Employees work <u>mostly on-site with occasional travel</u>

  Priorities:
  - Maintain Information Security
  - Secure Intellectual Property.
  - No Use of Cloud Resources
    - offsite backup

Solutions

- Give me a project overview

Remote Connection:
- <u>Teamviewer</u>: Safe, Allows more users access at once than alternatives.
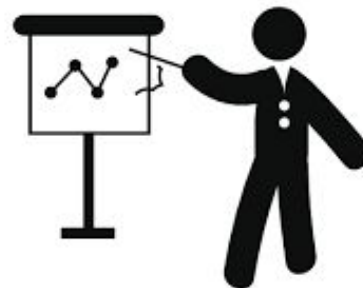
Email Client:
- <u>ThunderBird</u>: Cross-Platform Compatibility, Email Management, Security and Privacy, Add-Ons and Extensions.
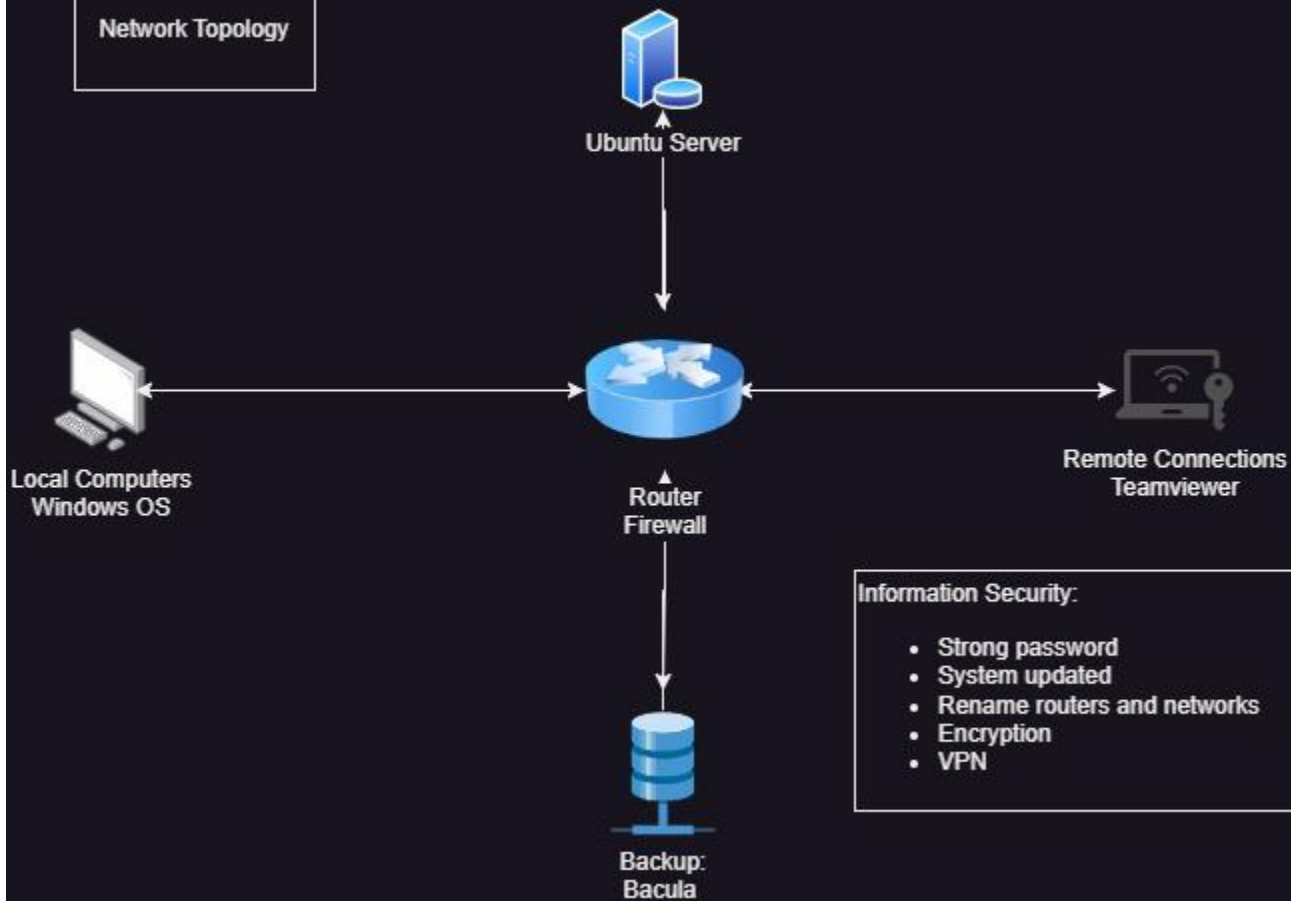
Task Automation and Operation System:
- <u>Ninite</u>: Ease of access
- <u>Windows 10</u>: Familiar, Safe

Backup and Restore Solution:
- <u>Bacula</u>: Reliability, Security, Speed, Flexibility
    - Provides safeguards for Intellectual Property

Network Topology

Ubuntu Server

Local Computers
Windows OS

Router
Firewall

Remote Connections
Teamviewer

Backup:
Bacula

Information Security:

- Strong password
- System updated
- Rename routers and networks
- Encryption
- VPN

Demo!

Resources & Thanks

Github organization: https://github.com/GSD-Solutions-Group

Linkedin profiles:

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linkedin.com/in/raheem-reed-8a7649183/

linkedin.com/in/colin-wilde-748718209/

linkedin.com/in/benjaminshobbs/

Questions?